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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/700,586	11/05/2003	C. Paul Christensen	MR2799-8/DIV.	7598	
7590 10/18/2005		EXAMINER			
ROSENBERG, KLEIN & LEE SUITE 101			JOHNSON, JONATHAN J		
3458 ELLICOTT CENTER DRIVE			ART UNIT	PAPER NUMBER	
ELLICOTT CITY, MD 21043			1725		
			DATE MAILED: 10/18/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Application No. Applicant(s)					
	10/700,586	CHRISTENSEN E	CHRISTENSEN ET AL.				
Office Action Summary	Examiner	Art Unit					
	Jonathan Johnson	1725					
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet wit	th the correspondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 9-6-	05.						
·	action is non-final.						
· <u> </u>							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) 11-20 is/are pending in the applicatio	4)⊠ Claim(s) 11-20 is/are pending in the application.						
4a) Of the above claim(s) <u>14-17</u> is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>11-13,18-20</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) 11-20 are subject to restriction and/o	r election requirement.						
Application Papers	·						
9)☐ The specification is objected to by the Examiner. 10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
•		440(-) (-1) (5)					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 3-26-04.	Paper No(s	ummary (PTO-413) /Mail Date formal Patent Application (PTC)-152)				

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group II, Claims 12-13 and 19-20 in the reply filed on 9-6-05 is acknowledged.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 11-13 and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 5,932,119 (Kaplan) in view of US 5,656,186 (Mourou). Kaplan teaches a method of laser marking a gemstone comprising the steps of: (a) generating a laser pulse (abstract); (b) focusing said laser pulse onto a surface of a gemstone (col. 5, ll. 35-40) (c) displacing said surface of said gemstone with respect to said focused laser pulse along three orthogonal axes (col. 4, ll. 40-60); wherein said step of displacing said surface of said gemstone with respect to said focused laser pulse includes the translation of said gemstone with respect to said focused laser pulse along a predetermined path (col. 4, ll. 30-67 and col. 18-19); wherein said displacing of said surface of said gemstone with respect to said focused laser pulse includes translation of focusing optics along a predetermined path (col. 4, ll. 30-67 and col. 18-19); wherein said step of generating a laser pulse is controlled through a computer control system in electrical communication with a

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pulsed laser, said computer control system allowing a user to selectively control said pulse duration (col. 4, ll. 30-67); wherein a computer control system is in electrical communication with a displacement means for displacing said gemstone, said computer control system allowing a user to selectively input and control said predetermined path (col. 4, ll. 30-67 and col. 18-19); wherein a computer control system in electrical communication with focusing optics allows a user to selectively input and control said predetermined path (col. 4, ll. 30-67 and col. 18-19). Mourou teaches a laser pulse less than 1 ns (col. 2, ll. 30-45). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the laser of Kaplan to utilize a femtosecond laser in order to precisely cut a region while minimizing damage to the adjoining area (see Mourou col. 3, ll. 10-20).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Johnson whose telephone number is 571-272-1177. The examiner can normally be reached on M-Th 7:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on 571-272-1171. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jonathan Johnson Primary Examiner Art Unit 1725